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Contribution to the spider fauna of the genus *Micaria* Westring, 1851 of the USSR. I

(Aranei, Gnaphosidae)

By K. G. Mikhailov

Abstract

Faunistical data on 22 *Micaria* species are presented, two of them being described as new: *M. tarabaevi* spec. nov. (male), *M. aborigenica* spec. nov. (female). New synonymy is established: *M. centrocnemis* Kulczyński, 1885 = *M. rossica* Thorell, 1875; *Micariolepis similis* Tyshchenko, 1965 = *Micaria dives* Lucas, 1846. *Micaria kopetdaghensis* Michailov, 1986 is redescribed, its female is described for the first time.

Twenty species of the genus *Micaria* (including *Micariolepis*) have hitherto been reported from the USSR (CHARITONOV, 1932, 1936, 1951; TYSHCHENKO, 1965; OLIGER, 1983; MIKHAILOV & FET, 1986, etc.). According to new data, the *Micaria* fauna of the USSR includes 27 species. I don't cite the following species, which are not known to me: *M. pallida* O. Pickard-Cambridge, 1885 (Tadzhikistan, Pamir: from Syrykol to Pyandzh; ♂ subad.), *M. aciculata* Simon, 1895 (Altay, Sailugem Mt. Ridge, river Toushougty; ♂), *M. hissarica* Charitonov, 1951 (Tadzhikistan, Kondar Canyon; ♂), *M. shadini* Charitonov, 1951 (Tadzhikistan, Kondar Canyon, ♀), *M. violens* Oliger, 1983 (Primorye Province, Lazovsky Reserve; ♂).

The materials have been shared between the collections of the Zoological Museum of the Moscow State University (ZMMU), Zoological Institute of the USSR Academy of Sciences, Leningrad (ZIL), Zoologische Staatssammlung, München (ZSM), Naturhistorisches Museum Wien (NHM), and Ust-Kamenogorsk Teachers' Training Institute, Kazakhstan (UTI).

In the material sections the species recorded from new areas have been marked with an asterisk (*). The materials checked by me and mentioned in the distribution sections have been marked with two asterisks (**). The number following the measurements (always, like the scales, in mm) is put into brackets and means the number of measured specimens.

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The following abbreviations have been introduced for the collectors hereinafter. A. A. – A. D. Avershin; A. B. – A. V. Bykov; A. G. – A. S. Gembitskiy; A. R. – A. N. Reykhardt; A. T. – A. V. Tanasevitch; A. Z. – A. A. Zyuzin; C. T. – Ch. K. Tarabaev; D. L. – D. V. Logunov; E. P. – E. N. Pavlovsky; E. Z. – E. M. Zhukovetz; I. G. – I. B. Grishkan; K. E. – K. Y. Eskov; K. M. – K. G. Mikhailov; L. S. – L. G. Savelieva; N. E. – N. S. Egorova; N. F. – N. A. Formozov; N. K. – N. Kardan; N. P. – N. Potapova; N. Po. – N. Y. Polchaninova; N. R. – N. A. Ryabinin; N. U. – N. S. Ustinova; O. B. – O. V. Burskiy; O. S. – O. Soyunov; P. D. – P. M. Dunin; S. A. – S. K. Alexeev; S. B. – S. P. Bukhhalo; S. D. – S. I. Deryugin; S. G. – S. I. Golovatch; S. K. – S. F. Kuznetsov; S. O. – S. V. Ovchinnikov; S. Z. – S. L. Zonstein; S. Za. – S. I. Zabelin; V. B. – V. V. Belov; V. Br. – V. A. Bragina; V. K. – V. A. Krivokhatskiy; V. O. – V. I. Ov-

Micaria pulicaria (Sundevall, 1831)

Clubiona pulicaria Sundevall, 1831. Vet. Ak. Handl.: 140–141.

Micaria pulicaria: CHARITONOV, 1926. Ezheg. Zool. Muz. AN SSSR za 1925: 105–106, pl. V, fig. 3.

Micaria pulicaria: TYSHCHENKO, 1971. Identification book of spiders: 136–137, fig. 351 (♂).

Micaria pulicaria: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 252–255, Abb. 3a–e, 16a–g, 38a–d.

Material examined: Moscow Area: Bolshevo, on ground, 16.7.1926 (leg. et det. V. I. Pereleshina, ZMMU Ta-1968) 1 ♀. Ryazan Area*: Oksky Reserve, Tyshlovo, Quercus forest, 21.6.1981 (leg. et det. K. E., ZMMU) 1 ♀. Krasnoyarsk Prov.: Enisey, Mirnoye, multiherbaceous taiga, 29.6.1977 (K. E., ZMMU) 1 ♀; Evenkiya, river Taymura, mouth of river Nentene, grassy sandy bank, 26.7.1982 (leg. et det. K. E., ZMMU) 1 ♂. Magadan Area*: near Magadan, Snezhnaya Dolina, bank of river Dukcha, 7.10.1984 (leg. et det. Y. M., ZMMU) 1 ♀; 23 km N of Magadan, river Dukcha, pebble along river, 25.6.1985 (leg. et det. Y. M.) 1 ♂ 2 ♀ (ZMMU) 1 ♀ (ZSM). Kamchatka: river Kamchatka, 6 km below the mouth of river Belaya, in grass, 15.8.1930 (leg. et det. V. P., ZMMU Ta-2421) 1 ♂; river Kamchatka, 11 km below mouth of river Belaya, swampy plants, 15.8.1930 (leg. et det. V. P., ZMMU Ta-2419) 1 ♂; river Kamchatka, below mouth of river Belaya, harvested field, 15.8.1930 (leg. et det. V. P., ZMMU Ta-2420) 1 ♀ 1 juv. Stavropol Prov.*: Prielbrusye, Azan, 6.7.1974 (V. R., ZMMU) 1 ♀. Byelorussia: Gomel Area, Gomel distr., bank of river Sozh, on sand, 28.4.1980 (leg. V. V. Golubkov, det. E. Z., ZMMU) 1 ♂. Caucasus: Georgia*: near Oni, Shovi, 21.10.1981 (S. G., ZSM) 1 ♀. Caucasus, Azerbaidzhan: Shemakha distr., Pirkuli Reserve, humid clearing, 2.6.1984 (D. L.) 2 ♀ (ZMMU) 1 ♀ (ZSM); Shemakha distr., Pirkuli Reserve, marsh Beyouk-Nokhur, 10.9.1984 (D. L.) 1 ♂ (ZMMU) 1 ♂ (ZSM). Caucasus: Armenia*: near village Geghasar, 5 km N of Spitak, Pambak Valley, 1650–1700 m, valley forest Salix and scrub Acer, Fraxinus, etc., 13.11.1985 (S. G., ZSM) 1 ♂. Kazakhstan, East-Kazakhstan Area: Kalba upland, Dubogala Lake, 25.–29.5.1966 (leg. et det. L. S.) 1 ♂ (UTI) 1 ♂ (ZSM); (L. S., ZMMU) 1 ♀; near 30 km NW of Ust-Kamenogorsk, right bank of river Irtysh, ravine with Salix, Populus tremula, Elaeagnus, near brook, 24.6.1983 (S. G., ZMMU) 1 ♀. Kirghizia, N. Tien-Shang Mts.: Kungey-Atatoo Mt. Ridge, Cholpon-Ata Valley, 8.8.1978 (S. Z., ZMMU) 1 ♀; Kungey-Atatoo Mt. Ridge, near river Cholpon-Ata, steppe, 9.8.1978 (S. Z., ZMMU) 2 ♀; foothills of Kirghizskiy Mt. Ridge, near Frunze, near Kok-Dzhar, 1000–1300 m 16.4.1983 (S. O., ZMMU) 1 ♂; foothills of Kirghizskiy Mt. Ridge, near Frunze, near Tash-Maynok, 1000–1400 m, 23.4.1983 (S. O., ZSM) 1 ♀; Kirghizskiy Mt. Ridge, Chon-Kurchak, 2.7.1986 (S. O., ZMMU) 2 ♂. Kirghizia, W. Tien-Shang Mts., Ferganskiy Mt. Ridge, Baubashata Mt. Ridge, near Arslanbob, Kirov leskhoz, Juglans regia forest, 1200 m, 3.7.1981 (S. Z., ZMMU) 1 ♀; Ferganskiy Mt. Ridge, Baubashata Mt. Ridge, Kara-Alma, Juglans regia forest, 1300–1500 m, 4.6.1979 (S. Z., ZMMU) 1 ♂ 1 ♀; Ferganskiy Mt. Ridge, Baubashata Mt. Ridge, near Arslanbob, Charvak, Juglans regia forest, 1200–1300 m, 12.8.1981 (S. Z., ZSM) 1 ♀; Ferganskiy Mt. Ridge, Baubashata Mt. Ridge, near Arslanbob, Yarodar, Juglans regia forest, 1200–1400 m, 1.–7.6.1982 (S. Z., ZMMU) 2 ♀.

Distribution in the USSR. Karelian ASSR (UZENBAEV, 1984, 1985). Moscow Area (VAGNER, 1892: *Melanophora pulicaria* + *Micaria nitens* K.; PERELESHINA, 1928**). Kursk Area (PICHKA, 1984 a, b). Belgorod Area: Valouyki (KULCZYŃSKI, 1913). Voronezh Area (PICHKA & SKUFYIN, 1981). Tatarian ASSR (AZHEGANOVA & GORSHKOV, 1973). Kuybyshev Area (KRASNOBAEV, 1983). Rostov Area (SPASSKY, 1914, 1919, 1925; MINORANSKIY et al., 1977). Kirov Area (GARKUSHA, 1980). Perm Area (CHARITONOV, 1926). Sverdlovsk Area (CHARITONOV, 1923). Omsk Area (SPASSKY & LAVROV, 1928). Tomsk Area (ERMOLAJEV, 1934). Krasnoyarsk Prov.: Stolby Reserve (ŠTERNBERG, 1977). Kamchatka (SYTSHEVSKAJA, 1935**). Estonia (Vilbaste, 1969, 1972, 1974, 1980). Latvia (PRIEDITIS & ŠTERNBERG, 1981: *M. pulicaria* + *M. similis*; ŠTERNBERG, 1981, 1983: *M. pulicaria* + *M. similis*). Ukraine: Odessa or Simpheropol, Crimea (THORELL, 1875 a). Kazakhstan: Kzyl-Orda Area: Aral Sea: Barsakelmes Island (PAVLENKO, 1985); Alma-Ata Area (TARABAEV, 1979); East-Kazakhstan Area (SAVELIEVA**, 1970, 1979). Kirghizia (ZONSTEIN, 1984**).

Wrong determinations. Orenburg Area (KUZNETSOV & KOBLOVA, 1977) – *M. rossica*; Samarkand (KRONEBERG, 1875) – *M. septempunctata*.

Micaria tripunctata Holm, 1978

Micaria tripunctata Holm, 1978. Ent. scand., 9: 68–70, Abb. 1–5.

Micaria tripunctata: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 255–256, Abb. 17a–c, 39.

Material examined: Tyumen Area: E slope of Polar Ural, Mt. Rayiz, 15 km W of Kharp, basin of river Sob, sparse stand of *Larix* and *Picea*, 500–600 m, 10.7.1982 (A. T., ZMMU) 1 ♀. Krasnoyarsk Prov.: left bank of Enisey, Mirnoye, swampy suppressed *Picea* stand, near brook, 14.–16.8.1979 (leg. K. E., ZMMU) 1 ♂ 1 ♀. Tuva ASSR*: Erzin, delta of river Erzin, 28.7.1985 (N. F., ZMMU) 1 ♀. Khabarovsk Prov.*: Nanayskiy distr., *Betula* forest, litter, 1983 (N. R., ZMMU) 1 ♀. Amur Area*: Jewish Autonomous Region, Dichun, 22.8.1978 (V. B., ZSM) 1 ♀.

Distribution in the USSR. Tyumen Area: Polar Ural (TANASEVITCH, 1985**). Krasnoyarsk Prov.: Mirnoye (ESKOV, 1986**).

Micaria nivosa L. Koch, 1866

Figs. 1–3

Micaria nivosa L. Koch, 1866. Die Arachnidenfam. Drassiden: 58, T. 3, F. 42–43.

Micaria nivosa: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 256–259, Abb. 12, 18a–e, 40a–d.

Material examined: Murmansk Area: Kandalaksha Reserve, Luda Ireonyonok, rocks, 17.7.1976 (Y. B., ZSM) 1 ♀. Krasnoyarsk Prov.: Evenkia, river Taymura, mouth of river Chambe, meteorological station Kerbo, grassy bank, on ground, 15.8.1982 (K. E., ZMMU) 1 ♂. Kazakhstan, East-Kazakhstan Area: Ust-Kamenogorsk, Sogra, delta of Ulba river, pebble and under stones, 12.9.1971 (L. S., UTI) 1 ♂; Kalba upland, Monastyr Lakes, 20.6.1969 (L. S., UTI) 1 ♀.

New for the USSR fauna!

Micaria fulgens (Walckenaer, 1802)

Aranea fulgens Walckenaer, 1802. Aran. Paris., 22: 222.

Micaria fulgens: TYSHCHENKO, 1971. Identification book of spiders: 136, fig. 347 (♂), 352 (♀).

Micaria fulgens: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 259–260, Abb. 19a–d, 41a–b.

Material examined: Ryazan Area*: Oka Reserve, Lubyanski, pitfall traps, 17.–26.7.1977 (leg. N. P., det. K. E.) 1 ♂ 6 ♀ (ZMMU) 1 ♂ 1 ♀ (ZSM). Stavropol' Prov.*: Prielbrusye, Azan, 30.6.1974 (V. R., ZMMU) 1 ♀. North Osetia*: Tsey Mt. Ridge, S slope, upper forest line, 2500 m, 1.–28.8.1982 (S. A.) 1 ♂ 2 ♀ (ZMMU) 2 ♀ (ZSM); Tsey Mt. Ridge, S slope, polydominant grassland, 2000 m, 28.8.1982 (S. A., ZMMU) 1 ♀; Tsey Canyon, moraine under Kalper Pass 2800 m, 28.7.1982 (S. A., ZSM) 1 ♂ 1 ♀; Mozdok, near village Novo-Georgievskaya, forest, delta of Terek river, 27.5.1982 (S. G., ZMMU) 1 ♂. Caucasus, Azerbaidzhan*: near Zakataly, village Dzhar, 750 m, 14.7.1981 (P. D., ZMMU) 1 ♀; Sheki distr., 10 km N of Sheki, Gelyarsen-Gerarsen, 1300 m, clearing in *Quercus*–*Carpinus* forest, 28.6.1978 (P. D., ZMMU) 2 ♀; Kakhi distr., near Kashkachay, 15 km SE of Kakhi, 1000 m, 3.7.1977 (P. D., ZMMU) 1 ♀; Shemakha distr., Pirkuli Reserve, Nakhabet, 23.5.1984 (D. L., ZMMU) 1 ♂; Shemakha distr., Pirkuli Reserve, Pirkuli, forest, 25.5.1984 (D. L., ZSM) 1 ♂. Kazakhstan, East-Kazakhstan Area: near Ust-Kamenogorsk, Menovnoye, delta of Irtysh river, pebble, 11.5.1969 (leg. et det. L. S., UTI) 1 ♀. Kirghizia, N. Tien-Shang Mts.: N slope of Kirghizskiy Mt. Ridge, Frunze Area, Uzun-Bulak, 6.1981 (S. O., ZMMU) 1 ♀; N slope of Kirghizskiy Mt. Ridge, Ala-Archa Canyon, *Juniperus* sparse stand, 2000 m, 27.4.1983 (S. O., ZSM) 2 ♂ 2 ♀; Kungey-Alatoo Mt. Ridge, Chon-Uryukty valley, 2000–2500 m, zone of *Picea* forests, 22.6.1983 (S. O., ZMMU) 1 ♂ 1 ♀; same locality, 2000 m, *Picea* forest, 16.5.1985 (S. Z., ZSM) 1 ♀. Kirghizia, W. Tien-Shang Mts.: Ferghanskiy Mt. Ridge, Baubashata Mt. Ridge, Kirov leskhoz, near Arslanbob, *Juglans regia* forest, 1200 m, 3.7.1981 (S. Z., ZMMU) 1 ♀; Ferghanskiy Mt. Ridge, Baubashata Mt. Ridge, near Arslanbob, Yarodar, *Juglans regia* forest, 3.–7.6.1982 (S. Z., ZMMU) 1 ♂ 2 ♀.

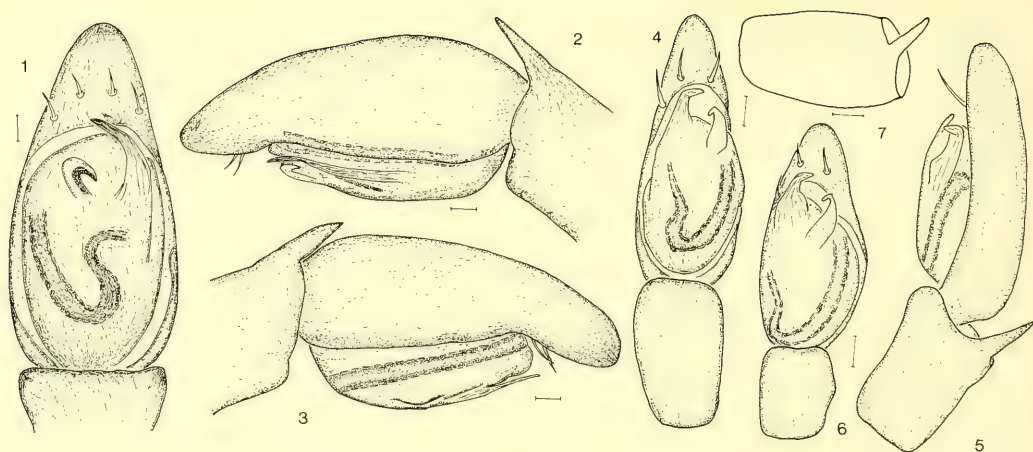
Distribution in the USSR. Moscow Area (VAGNER, 1892). Lipetsk Area (VAGNER, 1895). Latvia (ŠTERNBERGS, 1981). Ukraine: Kharkov Area (KIRILENKO & LEGOTA, 1981). Kazakhstan: Alma-Ata Area (SPASSKY & SHNITNIKOV, 1937; TARABAEV, 1979); East-Kazakhstan Area (SAVELIEVA, 1979**). Kirghizia (ZONSTEIN, 1984**).

Micaria romana L. Koch, 1866

Micaria Romana L. Koch, 1866. Die Arachnidenfam. Drassiden: 67, T. 3, F. 48.

Micaria romana: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 260–263, Abb. 9a–c, 20a–d, 42a–f.

Material examined: Krasnodar Prov.*: Slaviansk distr., wheat field, on ground, 4.6.1970 (N. E., ZMMU) 1 ♀; same locality, 2.7.1971 (N. E.) 2 ♂ 3 ♀ (ZMMU) 1 ♀ (ZSM); Caucasian Reserve, N slope, near Ghuzerip, 640 m, mixed forest, 13.7.1974 (V. O., ZSM) 1 ♀. Ukraine, Crimea*: Belogorsk, village Karasyovka, 6.1981 (V. Br., ZMMU) 3 ♀; Belogorsk,



Figs. 1-3. *Micaria nivosa* L. Koch, right palp of ♂ (East-Kazakhstan Area). - 1) ventral view; 2) inner view; 3) lateral view. Scale = 0.03.

Figs. 4-7. *Micaria septempunctata* O. Pickard-Cambridge, left palp of ♂ (4, 5, 7 from Kirghizia, 6 from Uralsk Area, Kazakhstan). - 4, 6) ventral views; 5) lateral view; 7) palpal tibia in dorsal view. Scale = 0.03.

Karabi, 28.5.1982 (V. Br., ZSM) 1 ♀. Caucasus, Armenia*: near town Sevan, near railway station, under stones, 28.7.1983 (D. L., ZMMU) 1 ♀. Turkmenia*: SW Kopetdagh Mts., 6.1983 (S. Za., ZMMU) 1 ♂ 1 ♀.

Distribution in the USSR. Latvia (ŠTERNBERGS, 1981: *M. scintillans*).

Micaria funerea Simon, 1878

Micaria funerea Simon, 1878. Arachn. Fr., 4: 18.

Micaria funerea: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 263-264, Abb. 21 a-g, 43 a-d.

Material examined: Caucasus, North Osetia, Tsey Canyon, polydominant grassland, 1800 m, 5.8.1982 (S. A., ZMMU) 1 ♀.

New for the USSR fauna!

Micaria albimana O. Pickard-Cambridge, 1872

Micaria albimana O. Pickard-Cambridge, 1872. Proc. Zool. Soc. London: 251, T. 16, F. 34.

Micaria albimana: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 264-266, Abb. 22 a-f, 44 a-c.

Material examined: Uzbekistan*, Tashkent Area: Bekabad distr., Dalverzin, right bank of Syrdarya, artificial bush, 29.6.1980 (A. N., ZMMU) 1 ♀. Tadzhikistan*: Komsomolabad distr., Zakaznik Sangvor, Lulya-Kharvi, river Lulya-Kharvi, 1800 m, 11.7.1978 (V. O., ZSM) 1 ♂. Kirghizia*, Uzun-Akhmat-Tau, 1700 m, 14.8.1986 (S. O., ZMMU) 1 ♀.

Distribution in the USSR. Turkmenia (VLASOV & SYCHEVSKAYA, 1937: *M. formicaria*; KUZNETSOV & FET, 1986: *Micaria* sp.; FET, 1986; MIKHAILOV & FET, 1986).

Micaria formicaria (Sundevall, 1831)

Clubiona formicaria Sundevall, 1831. Vet. Ak. Handl.: 141.

Micaria formicaria: AZHEGANOVA, 1968. A short identification book of spiders: 134-135, f. 318 (♂), 328 (♀).

Micaria formicaria: TYSHCHENKO, 1971. Identification book of spiders: 136-137, f. 350 (♂).

Micaria formicaria: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 266-269, Abb. 4 a-b, 23 a-b, 45 a-e.

Material examined: Voronezh Area* (ZMMU) 1 ♀. Stavropol Prov.*: Prielbrusye, 3.7.1974 (V. R., ZMMU) 2 ♂. North Osetia*: Tsey Mt. Ridge, S slope, 2000 m, polydominant grassland, 28.8.1982 (S. A., ZMMU) 1 ♂. Amur Area*: Khingan Reserve, bank of Karanga river, 19.–22.8.1983 (Y. M., ZMMU) 1 ♀. Caucasus, Armenia*: near Sevan town, under stones, 2100 m, 28.7.1983 (D. L. & V. O., ZSM) 1 ♀. Caucasus, Georgia*: Lagodekhi Reserve, under tree, litter, 27.7.1982 (Y. M., ZMMU) 1 ♂. Caucasus, Azerbaidzhan*: Apsheron Peninsula, Zyk, 14.6.1977 (P. D., ZSM) 1 ♂. Kazakhstan, East Kazakhstan Area, near Ust-Kamenogorsk, left bank of Irtysh River, floodland forest, 7.–8.1984 (L. S., UTI) 1 ♀.

Distribution in the USSR. Lipetsk Area (PANTELEEVA, 1982). Belgorod Area: Valouyki (KULCZYNSKI, 1913). Chelyabinsk Area (AZHEGANOVA, 1951; PAKHORUKOV, 1985). Tomsk Area: Tomsk (KULCZYNSKI, 1901). Ukraine: Kharkov Area (KIRILENKO & LEGOTAY, 1981); Dnepropetrovsk Area (THORELL, 1875a); Crimea (THORELL, 1875a; SPASSKY, 1927). Moldavia (KARPENKO & LEGOTAY, 1980; KARPENKO, 1981). Kazakhstan: Chimkent Area (DUBININ, 1946); Alma-Ata Area (SPASSKY & SHNITNIKOV, 1937; TARABAEV, 1979). Uzbekistan (DUBININ, 1954).

As it was noticed (MIKHAILOV & FET, 1986), the determination of *M. formicaria* by V. I. Pereleshina-Sychevskaya (VLASOV & SYCHEVSKAYA, 1937) for the environs of Ashkhabad is wrong; specimens revised refer to *M. albimana*. It is possible that the material of V. B. DUBININ (1946, 1954) from the desert zone, determined also by Sychevskaya, also belongs to *M. albimana*.

Micaria aenea Thorell, 1871

Micaria aenea Thorell, 1871. Rem. Syn. Europ. Spiders: 175.

Micaria aenea: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 271–273, Abb. 5, 26a–d, 48a–b.

Material examined: Magadan Area: Tenkino distr., environs of Sibit-Tyellakh, biological station "Aborigin", 1983–1985 (leg. A. A. & Y. M., det. K. M. & Y. M.) 1 ♂ 3 ♀ (ZSM) 8 ♀ (ZMMU).

New for the USSR fauna!

Micaria guttulata (C. L. Koch, 1839)

Macaria guttulata C. L. Koch, 1839. Die Arachniden, 6: 95, Abb. 500.

Micaria guttulata: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 273–275, Abb. 27a–d, 49.

Material examined: Kirghizia, W. Tien-Shang Mts.: Ferghanskiy Mt. Ridge, Baubashata Mt. Ridge, near Arslanbob, Kirov leskhoz, Juglans regia forest, 1200 m, 3.7.1981 (S. Z., ZMMU) 1 ♀.

Distribution in the USSR. Ukraine: Crimea (SPASSKY, 1927). Kirghizia (ZONSTEIN, 1984**).

Micaria silesiaca L. Koch, 1875

Micaria silesiaca L. Koch, 1875. Abh. naturf. Ges. Görlitz, 15: 4, T. 1, F. 2, 3.

Micaria silesiaca: WUNDERLICH, 1980. Zool. Beitr., N. F. 25(2): 275–277, Abb. 8, 28a–d, 50a–d.

Material examined: Caucasus, Georgia*: Lagodekhi Reserve, near meteorological station, 2050–2150 m, 22.6.1982 (Y. M., ZMMU) 1 ♀. Caucasus, Azerbaidzhan*: Shemakha distr., Pirkuli Reserve, open slope, 1300–1400 m, 31.5.1984 (D. L.) 1 ♂ 1 ♀ (ZSM) 1 ♂ (ZMMU); same locality, 1500 m, 3.5.1984 (D. L., ZMMU) 1 ♀.

Distribution in the USSR. Tomsk Area: Tomsk (ERMOLAJEV, 1934: *M. hospes*).

Micaria lenzi Bösenberg, 1899

Micaria Lenzii Bösenberg, 1899. Verh. Nat. Ver. Rheinl. Westf., 56: 101, 120, T. 1, F. 8.

Micaria lenzi: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 277–279, Abb. 6, 29a–d, 51a–c.

Material examined: Tuva ASSR: near Mugur-Aksy, delta of Karty river, near frontier, 1200 m, 26.5.1985 (O. B., ZMMU) 1 ♀; Erzyn, delta of Erzyn river, 28.7.1985 (N. F., ZMMU) 1 ♀. Magadan Area: Tenkino distr., near Sibit-Tyellakh, biological station "Aborigen", 1979–1983 (S. B., Y. M., N. K., A. A.) 28 ♂ 62 ♀ (ZMMU) 1 ♂ 5 ♀ (ZSM) 2 ♀ (NHM); Tenkino distr., near Vetrennyy, pebbly bank of Kolyma river, 13.6.1983 (leg. et det. Y. M., ZMMU) 1 ♂; Tenkino distr., Kolyma river, 5 km below mouth of Detrin river, relict steppe (ZMMU) 1 ♂. Caucasus, Armenia: near Sevan town, under stones, 2100 m, 28.7.1983 (D. L. & V. O., ZSM) 1 ♀; near Sevan town, near hydrobiological station, under stones, 31.7.1983 (D. L., ZMMU) 1 ♀. Caucasus, Azerbaidzhan, Nakhichevan, salinated semidesert, under stones, 200 m, 25.7.1983 (D. L. & V. O.) 1 ♀ (ZMMU) 1 ♀ (ZSM). Kazakhstan, Alma-Ata Area: 40 km from Alma-Ata along Karaganda road semidesert, under stones, 16.11.1984 (ZMMU) 1 ♀. Kirghizia: Pamiro-Alay Mts., Osh Area, Alay Mt. Ridge, W. Koksuy valley, 2500 m (leg. S. Z., det. Y. M., ZMMU) 1 ♀; N. Tien-Shang Mts., Kirghizskiy Mt. Ridge, Chon-Kurchak, 2.7.1986 (S. O., ZMMU) 1 ♀; Bank of Toktogul Lake, near Komsomol, 11.8.1986 (S. O., ZMMU) 1 ♀. Turkmenia*: Sarykamysh, 20.6.1985 (O. S., ZMMU) 1 ♂.

New for the USSR fauna!

Micaria alpina L. Koch, 1872

Micaria alpina L. Koch, 1872. Zeitschr. Ferdinand. Tirol, (3), 17: 313.

Micaria alpina: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 281–283, Abb. 31a–d, 54a–d.

Material examined: Komi ASSR: near Vorkuta, 1981 (A. T.) 1 ♂ 3 ♀ (ZMMU) 1 ♂ 2 ♀ (ZSM); Vorkuta distr., near Mulda, tundra, lichenes & dwarf bush, 7.8.1981 (A. T., ZMMU) 1 ♂. Krasnoyarsk Prov.: Evenkia, river Taymura, mouth of river Chambe, meteorological station Kerbo, Larix taiga with Ledum, in moss, 17.8.1982 (K. E., ZMMU) 2 ♀. Magadan Area: Tenkino distr., near Sibit-Tyellakh, biological station "Aborigen", 1980–1985 (leg. A. A., K. E., S. B., Y. M., det. K. M., Y. M.) 10 ♂ 21 ♀ (ZMMU) 4 ♂ 9 ♀ (ZSM) 2 ♀ (NHM).

New for the USSR fauna!

Micaria septempunctata O. Pickard-Cambridge, 1872

Figs. 4–7

Micaria septempunctata O. Pickard-Cambridge, 1872. Proc. Zool. Soc. London: 250, T. 16, F. 32.

Micaria septempunctata: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 307–308, Abb. 69a–e.

Micaria milleri WUNDERLICH, 1980. Ibid.: 284–285, Abb. 55a–b (♀).

Micaria septempunctata: MIKHAILOV & FET, 1986. Sbornik trudov Zool. Muz. Mosk. gos. Univ., 24: 178–180, fig. 2(b)–(c).

Material examined: Caucasus, Azerbaidzhan*: Saatly, Dzhafarkhan, 10–12 km S of Sabirabad, cotton field, Om, 15.6.1983 (P. D., ZMMU) 1 ♂. Kazakhstan, Uralsk Area*: Dzhanyybek, Artemisia pauciflora, 23.6.1982 (K. M., ZSM) 1 ♂; same locality, 26.8.1982 (K. M., ZMMU) 1 ♀. Uzbekistan: Samarkand, Turkestan Collection of A. P. Fedchenko (ZMMU Ta-1191) 1 ♀; Bukhara Area, Kyzyltepa distr., near farm "Malek", stony desert, 2.6.1980 (A. N., ZMMU Ta-3566) 2 ♀. Turkmenia: Gasan-Kuli, Delili, under stones & in rodent holes, 21.1.1981 (S. A., ZSM) 1 ♂ 3 juv.; Gasan-Kuli, N shore of Maloye Delili Lake, ant nest, 25.1.1982 (K. M., ZMMU) 2 ♂ 1 juv.; Mary Area, S of Bayram-Ali, bank of Murghab river, Ghindukush, 28.5.1929 (V. P., ZMMU) 1 ♂; Central Kopetdagh Mts., bank of river Firuzinka, 13.6.1929 (V. P., ZMMU) 1 ♂; Badkhyz, Eroylanzuz, 16.4.1984 (V. Y., ZSM) 1 ♀; Repetek Reserve, on ground between ants, 24.5.1929 (V. P., ZMMU) 3 ♂ 3 ♀; same locality, in hole, 25.4.1981 (V. K., ZMMU Ta-3564) 1 ♀; same locality, in hole, 11.5.1981 (V. K., ZMMU Ta-3565) 1 ♀; same locality, ant nest, 23.4.1982 (V. K., ZMMU) 1 ♀; Armudarya, Farab distr., Narghyz island, Tamarix, 9.4.1983 (S. A., ZSM) 1 ♂. Kirghizia*, N. Tien-Shang Mts.: 2 km N of Frunze, Karagachovaya Roshcha, 750 m, 6.1979 (S. Z., ZMMU) 1 ♂; near Frunze, 750 m, 30.3.1983 (S. O., ZMMU) 1 ♂.

Distribution in the USSR. Uzbekistan: Bukhara Area (MIKHAILOV & FET, 1986). Turkmenia (MIKHAILOV & FET, 1986).

The determination of *M. formicaria* from the environs of Samarkand (KRONEBERG, 1875) is wrong. This specimen actually belongs to *M. septempunctata*.

Male. Carapace length 1.01 ± 0.38 (13), width 0.73 ± 0.24 (13), ratio 1.36 ± 0.22 (13). Abdomen length 1.20 ± 0.37 (13), width 0.67 ± 0.31 (13), ratio 1.81 ± 0.25 (13). Palpus (fig. 4–7). For the determination of this species it is useful to remember that the palpal tibial apophysis can sometimes be broken off.

As it was noticed earlier (MIKHAILOV & FET, 1986), *M. milleri* Wunderlich, 1980, described from Bulgaria (Varna) by a single female, is actually a junior synonym of *M. septempunctata*. The shape of the fore margin of the epigynal groove is variable.

Micaria pygmaea Kroneberg, 1875

Figs. 8–12

Micaria pygmaea Kroneberg, 1875. Izv. Obshch. lyubit. estestvozn., antropol. i etnogr., **19** (3): 19, T. 5, F. 42a–c.

Micaria pygmaea: MIKHAILOV & FET, 1986. Sbornik trudov Zool. Muz. Mosk. gos. Univ., **24**: 180–181, fig. 2(d)–(f).

non *Micaria rossica*: WUNDERLICH, 1980. Zool. Beitr., N. F., **25**(2): 308–309.

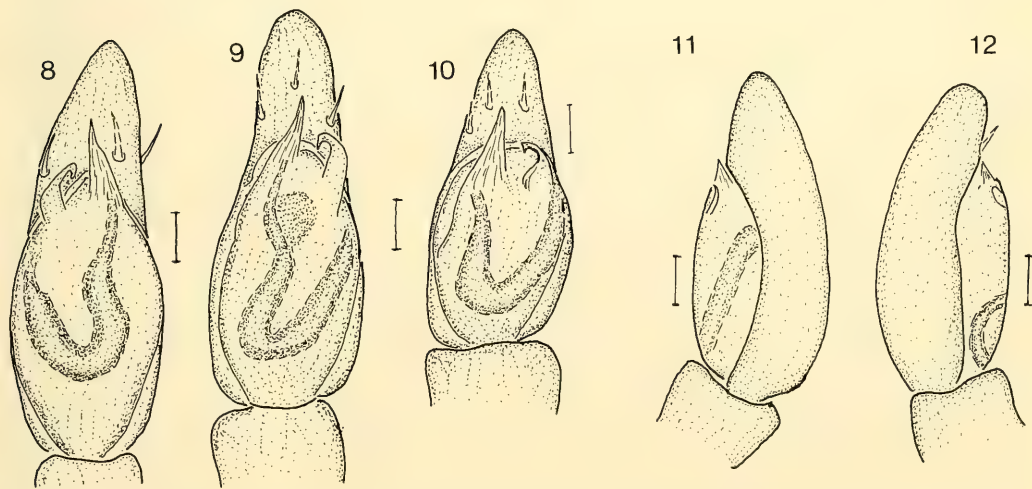
Material examined: Kizil-Kum, Turkestan Collection of A. P. Fedchenko (holotype, ZMMU Ta-1193) 1 ♂. Turkmenia: W. Kopetdagh Mts., near Sharlouk, 30.5.1982 (S. Za., ZMMU) 1 ♂ (without abdomen). Tadzhikistan: Varzaminor, 8.6.1978 (V. O., ZMMU) 1 ♂; Gandjino, 13.–15.6.1986 (S. Z., ZMMU) 1 ♂.

Distribution in the USSR. Uzbekistan (CHARITONOV, 1969). Turkmenia (KAPLIN, 1978: det. V. F. Bakhvalov; MIKHAILOV & FET, 1986). Tadzhikistan (MIKHAILOV & FET, 1986). Kizil-Kum (KRONEBERG, 1875; MIKHAILOV & FET, 1986). It is possible that the data of Kaplin and Charitonov actually refer to *M. septempunctata*.

Male. Carapace length 0.83–1.00, width 0.58–0.63, ratio 1.43–1.60. Abdomen length 0.88–1.15, width 0.50–0.53, ratio 1.67–2.30. Palpus (fig. 8–12). By the structure of the retinaculum, this species resembles *M. septempunctata*, but differs by the straight embolus and absence of the tibial apophysis.

M. septempunctata and *M. pygmaea* must be separated from the *silesiaca*-group, in which both were attributed with some doubt by WUNDERLICH (1980). I create thus a new group, the *septempunctata*-group. Males are distinguished by the ecto-lateral position of the retinaculum, females by the bifurcation of the epigynal groove.

As noticed earlier (MIKHAILOV & FET, 1986), WUNDERLICH'S (1980) synonymization of *M. pygmaea* under *M. rossica* appears to be wrong, as evidenced by a restudy of the types.



Figs. 8–12. *Micaria pygmaea* Kroneberg, palp of ♂ (8 right, 9–12 left; 8 from Tadzhikistan, 9 from Turkmenia, 10–12 from Kizil-Kum, holotype). – 9–10) ventral views; 11) lateral view; 12) inner view. Scale = 0.03.

Micaria rossica Thorell, 1875

Micaria rossica Thorell, 1875. Hor. Soc. Ent. Ross., 11: 112–113.

Micaria modesta Kroneberg, 1875. Izv. Obshch. lyubit. estestvozn., antropol. i etnogr., 19(3): 19–20, T. 2, F. 5a–c.

Micaria scenica Simon, 1878. Arachn. Fr., 4: 17.

Micaria centrocnemis Kulczyński, 1885. Pam. Wydz. mat. przyr. Akad. Umiej, 11: 42–43, T. XI, F. 21 (♀). (n. syn.)

Micaria scenica: TYSHCHENKO, 1971. Identification book of spiders: 136, f. 349 (♂), 350 (♀).

Micaria scenica: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 286–287, Abb. 33 a–e, 57 a–e.

Micaria rossica: WUNDERLICH, 1980. Ibid.: 308–309, Abb. 70 a–c.

Micaria centrocnemis: WUNDERLICH, 1980. Ibid.: Abb. 66.

Micaria rossica: MIKHAILOV & FET, 1986. Sbornik trudov Zool. Mus. Mosk. gos. Univ., 24: 176–178, fig. 2a.

non *Micaria pygmaea* Kroneberg, 1875. Izv. Obshch. lyubit. estestvozn., antropol. i etnogr., 19(3): 19, T. 5; F. 42 a–c.

Material examined: Volgograd Area*: near Elton Lake, 26.–27.6.1982 (A. B., ZMMU) 1 ♂. Stavropol Prov.*: Petrovskoye distr., Bogataya Balka, wheat field, 17.–18.7.1971 (leg. et det. N. E., ZMMU) 3 ♀. Krasnodar Prov.*: Slavyansk distr. (N. E., ZSM) 2 ♂. Orenburg Area*: near Orenburg, windbreak, 11.7.1974 (S. K., ZMMU) 1 ♀. Magadan Area*: Tenkino distr., near Sibit-Tyellakh, biological station “Aborigen”, 1980–1985 (leg. A. A., I. G., S. B., N. K., Y. M., det. K. M., Y. M.) 32 ♂ 100 ♀ (ZMMU) 2 ♂ 8 ♀ (ZSM) 3 ♂ 18 ♀ (NHM); upper flow of Kolyma river, 56 th km of road from Ust-Omchug to Vetrenniy, 29.7.1985 (leg. et det. Y. M., ZMMU) 4 ♀; 10 km N of Palatka, 3.7.1985 (leg. et det. Y. M., ZMMU) 1 ♂; environs of Magadan, Gertner BaY? Near Nyuklya, 27.6.1985 (leg. et det. Y. M.) 2 ♀ (ZMMU) 1 ♀ (ZSM); near Talon, 10.6.1985 (leg. A. Meshcheryakov, det. Y. M.) 1 ♂. Ukraine: Donetsk Area: Novoazov distr., Reserve “Khomutovskaya Step”, calcareous rock, under stones, 6.1982 (leg. et det. N. Po., ZMMU) 1 ♀ 4 juv. Azerbaidzhan: Baku, W outskirts, Yasamskaya Dolina, young park (Morus, Salix, Populus, etc.), formerly Artemisia semidesert, 1.5.1977 (P. D., ZMMU) 1 ♀; 50 km SW of Baku, Gobustan, Gobustan Reserve, 20 m, semidesert of Artemisia & Salsola, 18.4.1984 (P. D., ZSM) 1 ♂; Baku, 29.5.1977 (P. D., ZMMU) 1 ♀; Saatly distr., 10–12 km S of Sabirabad, near village Dzhafarkhan, cotton field, 0 m, 15.6.1983 (P. D., ZMMU) 2 ♂; Lachin distr., near Lachin, 1200 m, afterforest vegetation, bushes, 1.6.1980 (P. D., ZMMU) 1 ♀; Apsheron Peninsula, Dyubendy, opposite of Artyom Island, –28 m, Caspian Sea shore, fixed sand, 21.5.1977 (leg. et det. P. D.) 4 ♀ (ZMMU) 1 ♀ (ZSM). Kazakhstan, Uralsk Area*: Janybek, Artemisia pauciflora, 28.–31.5.1982 (K. M., ZSM) 1 ♀; same locality, Artemisia pauciflora, 24.–27.8.1982 (K. M., ZSM) 1 ♀; same locality, Artemisia pauciflora, 24.–27.8.1982 (K. M., ZMMU) 1 ♀; same locality, on ground, 25.6.1972 (ZMMU) 1 ♀. Kazakhstan, Akmolinsk (now Tselinograd) Area: Kokshetau, stony steppe slopes, under dried dung, 3.6.1957 (leg. et det. V. T., ZIL) 2 ♂. Kazakhstan, Dzhezkazgan Area*: Znanarsky distr., K. Marx farm, steppe, 11.6.1984 (S. D., ZMMU) 2 ♂ 1 ♀. Kazakhstan, Alma-Ata Area: Alma-Ata Reserve, right Talgar, multiherbatium, 4.8.1984 (S. D., ZMMU) 1 ♂. Kazakhstan, East Kazakhstan Area, near Ust-Kamenogorsk, Menovnoye, Irtysk River valley, left bank, 11.5.1969 (L. S., UTI) 1 ♀. Turkmenia: SW Kopetdagh Mts., near Kara-Kala, Parkhay, 400 m, 20.–21.4.1985 (S. Z., ZSM) 1 ♂; Farab distr., Amudarya river, Narghyz Island, 17.4.1984 (S. A., ZSM) 1 ♂ 1 ♀; Repetek, on ground between ants, 24.5.1929 (V. P., ZMMU) 1 ♀; same locality, ant nest, 23.4.1982 (V. K., ZMMU) 1 ♂ 1 ♀; Tashauz Area: Chirishli, 10.5.1983 (O. S., ZMMU) 1 ♂; Kankakyr, on ground, 13.–15.4.1985 (O. S., ZMMU) 2 ♂. Kirghizia, N. Tien-Shang Mts.: Issyk-Kul Area, S slope of Kungey-Alatoo Mt. Ridge, Karkara valley, Irisu valley, 2000–2500 m, 13.7.1983 (S. O., ZSM) 1 ♀; 20 km S of Frunze, Kirghizsky Mt. Ridge, Malinovoye Canyon, 22.6.1984 (S. O., ZMMU) 2 ♂ 3 ♀; Issyk-Kul Area, Kungey-Alatoo Mt. Ridge, Tyup distr., Tyup valley, upper reaches of Tyup river, Santash valley, 2200–2400 m, 17.7.1984 (S. O., ZMMU) 1 ♂ 2 ♀; 40 km NW of Frunze, Chu valley, near Nizhnechuyksk, near Dzhanig-Pakhta village, 600 m 15.8.1983 (S. O., ZMMU) 1 ♂; Issyk-Kul Area, Kungey-Alatoo Mt. Ridge, Chon-Uryukty valley, 2000–2500 m, zone of Picea forest, 22.6.1983 (S. O., ZMMU) 3 ♂ 1 ♀; same locality, 2000 m, 16.5.1985 (S. Z.) 2 ♂ (ZMMU) 1 ♂ (ZSM). Kirghizia, C. Tien-Shang Mts.: S slope of Terskey-Alatoo Mt. Ridge, Molo valley, 3100 m, 13.7.1983 (S. O., ZMMU) 2 ♀; S slope of Terskey-Alatoo Mt. Ridge, Koylyu valley, Picea forest, 2800 m, 16.7.1983 (S. O., ZSM) 1 ♂ 2 ♀; Terskey-Alatoo Mt. Ridge, Kaindy Mt. Ridge, 5 km from river Sary-Dzhaz, 3000 m, 17.7.1983 (S. O., ZMMU) 1 ♂. Tadzhikistan*: Ura-Tyube (formerly in Samarkand Area), 1.7.1908 (E. P., ZIL) 1 ♀; Pamir Mts., Kara-Art valley, NE of Kara-Kul Lake, 17.7.1928 (A. R., ZIL) 3 ♂.

Distribution in the USSR. Voronezh Area (PICHKA & SKUFYIN, 1981). Rostov Area (SPASSKY, 1914, 1919, 1925, 1940; MINORANSKIY et al., 1977). Kalmyk ASSR (MINORANSKIY & PONOMAREV, 1984). Orenburg Area (KUZNETSOV & KOBLOVA, 1977: *M. pulicaria*). Kamchatka (KULCZYNSKI, 1885: *M. centrocnemis*). Ukraine: Simferopol, Odessa (THORELL, 1875a, b); Transcarpathia (LEGOTAY, 1959); Kharkov Area (KIRILENKO & LEGOTAY, 1981); Crimea (SPASSKY, 1927). Azerbaidzhan (DUNIN, 1984). Turanian Zoogeographical Province (SPASSKY, 1952: *M. rossica* + *M. modesta*). Kazakhstan: Kzyl-Orda Area: Aral Sea: Barsakelmes Island (PAVLENKO, 1985: *M. modesta*); Kustanay Area (ASHIKBAEV, 1973, 1976); Semirechye (SPASSKY & SHNITNIKOV, 1937); East-Kazakhstan Area (SAVELIEVA, 1979); Alma-Ata Area (TARABAEV, 1979: *M. scenica*). Uzbekistan (KRONEBERG, 1875: *M. modesta*;

CHARITONOV, 1969: *M. modesta*). Turkmenia (OVCHARENKO & FET, 1980: *M. modesta*; MIKHAILOV & FET, 1986).

WUNDERLICH (1980) supposed the synonymy of *M. rossica* and *M. centrocnemis*. My material from Magadan Area confirms this supposition: in the epigynal structure of females, all intergrades from *M. rossica* to *M. centrocnemis* are observed. The male palpal structure shows no difference from the variation limits of *M. rossica* (see figures in WUNDERLICH, 1980; MIKHAILOV & FET, 1986).

Micaria kopetdaghensis Michailov in Michailov et Fet, 1986

Figs. 13–19

Micaria kopetdaghensis Michailov in: MIKHAILOV & FET, 1986. Sbornik trudov Zool. Muz. Mosk. gos. Univ., 24: 180, fig. 2 (g)–(h).

Material examined: Caucasus, N. Osetia*: Tsei Mt. Ridge, S slope upper forest line, 2500 m, 1.–28.8.1982 (S. A.) 6♂ 2♀ (ZMMU) 2♂ 2♀ (NHM) 2♂ 1♀ (ZSM); Tsei Mt. Ridge, S slope, 2500 m, 19.8.1982 (S. A., ZMMU) 1♂; Tsei Mt. Ridge, S slope, 2000 m, polydominant grassland, 28.8.1982 (S. A., ZMMU) 1♀. Caucasus, Azerbaïdzhan*: Shemakha distr., Pirkuli Reserve, 1500 m, 30.5.1984 (D. L., ZMMU) 1♂. Caucasus, Armenia*: near Sevan town, 2100 m, under stones, 28.7.1983 (D. L. & V. O., ZMMU) 2♀; near Sevan town, environs of hydrobiological station, under stones, 31.7.1983 (D. L., ZSM) 1♀. Turkmenia: SW Kopetdagh Mts., Syunt-Khasardagh Reserve, grassland, 5.–9.7.1982 (N. U., ZMMU, holotype Ta-3569) 1♂.

Distribution in the USSR. Turkmenia (FET, 1986; MIKHAILOV & FET, 1986).

This species was originally described by a single male. I redescribe here the male and describe the female for the first time.

Male. Carapace and sternum brown. Legs: femora dark brown, other joints paler, palest are tarsal tips. Abdomen dark gray, with two slightly expressed, transverse white bands.

Carapace length 1.60 ± 0.45 (12), width 1.16 ± 0.27 (12), ratio 1.39 ± 0.26 (12). Leg dimensions (male above, female below):

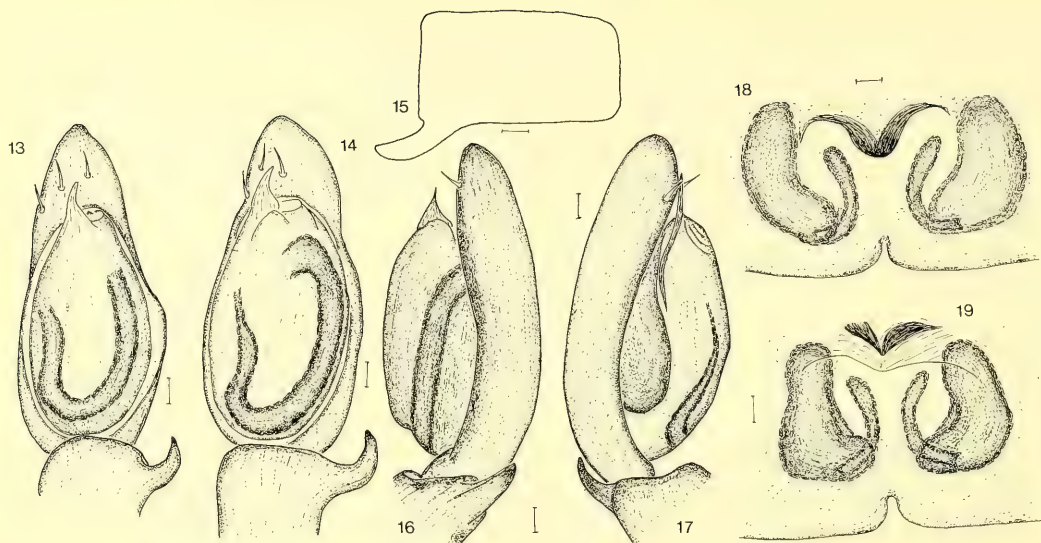
		I	II	III	IV
Femur	♂	1.18 ± 0.27 (9)	1.01 ± 0.18 (11)	0.86 ± 0.12 (11)	1.26 ± 0.17 (11)
	♀	1.04 ± 0.09 (9)	0.97 ± 0.14 (10)	0.83 ± 0.15 (10)	1.27 ± 0.20 (10)
Patella	♂	0.56 ± 0.11 (9)	0.46 ± 0.13 (11)	0.43 ± 0.07 (10)	0.49 ± 0.09 (10)
	♀	0.51 ± 0.08 (8)	0.47 ± 0.07 (10)	0.46 ± 0.10 (10)	0.56 ± 0.11 (10)
Tibia	♂	0.95 ± 0.20 (9)	0.79 ± 0.14 (10)	0.66 ± 0.11 (10)	1.07 ± 0.14 (11)
	♀	0.75 ± 0.13 (8)	0.70 ± 0.09 (10)	0.62 ± 0.09 (10)	1.01 ± 0.11 (10)
Metatarsus	♂	0.82 ± 0.15 (8)	0.70 ± 0.13 (11)	0.72 ± 0.11 (10)	1.16 ± 0.16 (11)
	♀	0.67 ± 0.12 (8)	0.62 ± 0.11 (10)	0.65 ± 0.11 (10)	1.08 ± 0.16 (10)
Tarsus	♂	0.76 ± 0.27 (7)	0.72 ± 0.16 (10)	0.63 ± 0.07 (10)	0.79 ± 0.13 (11)
	♀	0.72 ± 0.08 (8)	0.67 ± 0.13 (10)	0.59 ± 0.09 (10)	0.74 ± 0.16 (10)

Leg armature: femur I, III dorsal 1, dorsal-prolateral 1, femur II, IV dorsal 1; tibia III, IV from ventral 2.2 to ventral 2.2.2, lateral 2.2.2; metatarsus III, IV from ventral 2.2.2, lateral 2 to ventral 2.2.2, lateral 2.2, dorsal 2.2.2.

Abdomen length 1.90 ± 0.48 (12), width 1.15 ± 0.32 (12), ratio 1.66 ± 0.24 (12).

Female. Coloration as in male. Carapace length 1.57 ± 0.18 (10), width 1.12 ± 0.14 (10), ratio 1.41 ± 0.11 (10). Leg dimensions see above. Leg armature: femur I–IV as in male; tibia III, IV maximum ventral 2.2.2, lateral 2, dorsal 2.2; metatarsus III, IV maximum ventral 2.2.2, lateral 2.2.2, dorsal 2.

Abdomen length 2.73 ± 0.98 (10), width 1.76 ± 0.54 (10), ratio 1.55 ± 0.25 (10).



Figs. 13–17. *Micaria kopetdaghensis* Michailov, left palp of ♂ (13, 16, 17 from Turkmenia, holotype, 14, 15 from North Osetia). – 13, 14) ventral views; 15) palpal tibia in dorsal view; 16) lateral view; 17) inner view. Scale = 0.03.

Figs. 18–19. *Micaria kopetdaghensis* Michailov, epigyne of ♀. – 18) North Osetia, 19) Ukraine. Scale = 0.03.

Palpus (figs. 13–17). By the structure of the palpus, *M. kopetdaghensis* is closely related to *M. rossica*, but differs by the tibial apophysis, constant shape of the embolus, and constant absence of the retinaculum.

Epigyne (figs. 18–19). By the epigynal structure, *M. kopetdaghensis* is related to *M. alpina*, but differs by the shorter seminal ducts, less expressed posterior border, and invariably curved anterior border of the epigynal groove. The shape of the anterior border of the epigynal groove of *M. alpina* is variable.

M. kopetdaghensis belongs to the *rossica*-group (*scenica*-group of WUNDERLICH, 1980). Thus, this group includes only two species; three species attributed to it by Wunderlich (*M. scenica*, *M. rossica*, *M. centrocnemis*) are actually one: *M. rossica*.

Micaria dives (Lucas, 1846)

Drassus dives Lucas, 1846. Explor. Sci. Alger., Zool., 1, Arachn.: 220–221, T. 13, F. 9.

Micariolepis similis Tyshchenko, 1965. Ent. Obozr., 44(5): 70, fig. 8 (♀) (**syn. nov.**)

Micaria dives: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 287–290, Abb. 1, 34a–d, 58a–d.

Micaria tyschchenkoi Brignoli, 1983. A catalogue of Araneae: 583 (nom. nov. pro *Micariolepis similis*, praecoc. in *Micaria* by BÖSENBERG, 1902) (**syn. nov.**)

Material examined: Ukraine, Dnepropetrovsk Area*: Dnepropetrovsk, 7.6.1973 (A. Z., ZMMU) 1 ♀. Kirghizia, N. Tien-Shang Mts.: between Kirghizsky and Kungey-Alatoo Mt. Ridges, Buam Canyon, 1000–1300 m, 1.5.1984 (S. O., ZSM) 1 ♂; Kirghizsky Mt. Ridge, 20 km S of Frunze, Malinovoye Canyon, 22.6.1984 (S. O., ZMMU) 1 ♂; Kungey-Alatoo Mt. Ridge, Issyk-Kul Area, Chon-Uryukty valley, Picea forest zone, 2000–2500 m, 22.6.1983 (S. O., ZMMU) 1 ♀; Kungey-Alatoo Mt. Ridge, Cholpon-Ata valley, 2200 m, 10.8.1977 (S. Z., ZSM) 1 ♀; foothills of Kirghizsky Mt. Ridge, Frunze Area, Niamezin Canyon, 23.4.1982 (S. O., ZMMU) 1 ♀ inad. Kirghizia, W. Tien-Shang Mts.: S foothills of Ferghansky Mt. Ridge, near Dzhelalabad, 800 m, semidesert, 29.4.1982 (S. Z., ZMMU) 1 ♂; Ferghansky Mt. Ridge, Syuren-Tyube Mt. Ridge, Changet valley, 1100–1600 m, Juglans regia forest, 9.4.1982 (S. Z., ZMMU) 1 ♀.

Distribution in the USSR. Kalmyk ASSR (MINORANSKIY et al., 1980; PONOMAREV & MINORANSKIY, 1981; MINORANSKIY & PONOMAREV, 1984). Kazakhstan: Akmolinsk (now Tselinograd) Area: Kokshtau Mts. (TYSHCHENKO, 1965). Kirghizia (ZONSTEIN, 1984**).

The epigyne of *Micariolepis similis*, as depicted by TYSHCHENKO (1965, Fig. 8B), has no difference from *Micaria dives*, except for the shape of the epigynal groove's anterior border. The latter species has a procurved arched border, the first has a straight, in the middle slightly recurved one. However, this difference is not sufficient for separation of the species. Besides, both species have equal leg coloration and armature.

Micaria subopaca Westring, 1862

Micaria subopaca Westring, 1862. Aran. Suec.: 336.

Micaria albostriata: TYSHCHENKO, 1971. Identification book of spiders: 136, fig. 348 (♂).

Micaria subopaca: WUNDERLICH, 1980. Zool. Beitr., N. F., 25(2): 290–291, Abb. 35 a–e, 59.

Material examined: Moscow Area: Bolshevo, under pine bark, 28.11.1926 (leg. et det. V. P., ZMMU Ta-2119) 1♂ 1♀. Ryazan Area*: Oka Reserve, Brykin Bor, on pine bark, 5.6.1981 (leg. et det. K. E., ZSM) 1♀. Byelorussia, Minsk Area: Myadel distr., near Naroch Lake, 11.6.1967 (leg. A. G., det. E. Z., ZMMU) 1♀; Soligorsk distr., Velichkovichi, 12.5.1982 (leg. et det. E. Z., ZMMU) 1♀.

Distribution in the USSR. Leningrad Area (CHARITONOV, 1928: *M. albostriata*). Moscow Area (PERELESINA, 1928**: *M. albostriata*). Lipetsk Area (PANTELEVA, 1982: *M. albostriata*). Belgorod Area: Valouyki (KULCZYNSKI, 1913). Kamchatka (KULCZYNSKI, 1885: *M. humilis*; 1926: *M. albostriata*). Estonia (VILBASTE, 1973, 1980). Latvia (PRIEDITIS & STERNBERGS, 1981: *M. albostriata*; ŠTERNBERGS, 1981: *M. albostriata*). Byelorussia (GEMBITSKY et al., 1985**).

Micaria tarabaevi spec. nov.

Figs. 20–22

Material examined: Holotype 1♂, Kazakhstan, Alma-Ata Area, near Alma-Ata, 2500–3200 m, subalpine zone, 29.6.1983 (C. T., ZMMU Ta-4256).

Male. Carapace length 1.7, width 1.25, ratio 1.36. Caparace and sternum brown-black, legs straw-coloured, femur I brown, femur II light brown. Leg dimensions:

	I	II	III	IV
Femur	1.37	1.17	0.86	1.36
Patella	0.71	0.57	0.53	0.57
Tibia	1.14	0.89	0.74	1.21
Metatarsus	1.00	0.77	0.80	1.21
Tarsus	0.89	0.86	0.69	0.86

Leg armature: femur I dorsal 1, dorsal-prolateral 1, femur II, IV dorsal 1, femur III dorsal 1.2; tibia III ventral 2.2.2, lateral 2.2, tibia IV ventral 2.2.2; metatarsus III, IV ventral 2.2.2, lateral 2.2, dorsal 2.

Abdominal length 2.25, width 1.35, ratio 1.67. Abdomen black, dorsally with one transversal band of white scales.

Palpus (Figs. 20–22). Femur 0.60, patella 0.31, tibia 0.29, cymbium 0.49.

Female unknown.

By the structure of the palpus, *M. tarabaevi* spec. nov. is similar to *M. lenzi*, but distinguishable by the bifurcate tibial apophysis. Embolus and retinaculum structure, and even the arrangement of addi-

tional lateral spines of both species are identical. It is possible that *M. tarabaevi* spec. nov. is an aberrant form of *M. lenzi*. To this complex may also be attributed the male of *M. sociabilis* Kulczyński described from Hungary. The latter species is distinguished by the absence of spines on the cymbium and of retinaculum (only one palp was preserved – WUNDERLICH, 1980). The absence of spines on the cymbium is not typical for *Micaria* and indicates an aberrant form. In this case the female of *M. sociabilis* must be attributed to another species.

Despite the bifurcate tibial apophysis, *M. tarabaevi* spec. nov. belongs (as *M. lenzi*) to the *silesiaca*-group.

Derivatio nominis. The species is dedicated to Chinghiz K. Tarabaev, my friend and colleague arachnologist from Kazakhstan.

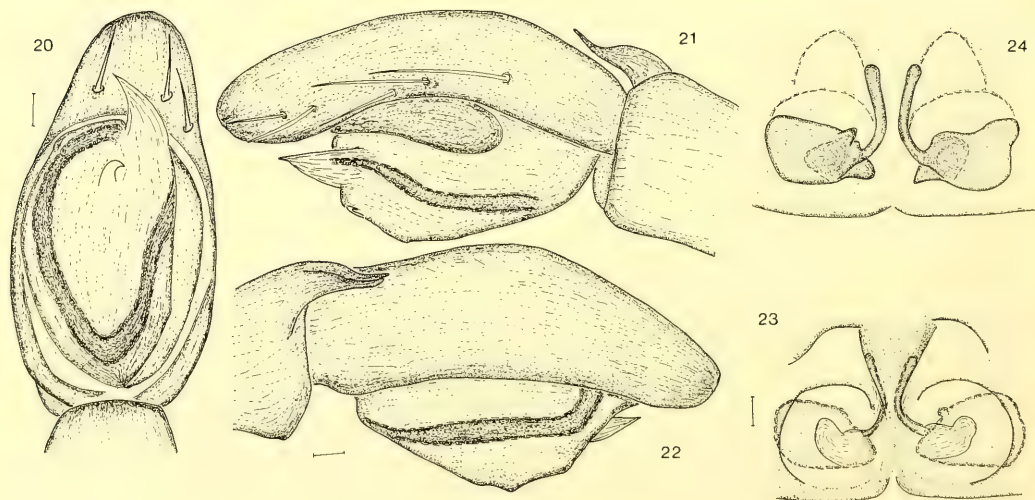
Micaria aborigenica spec. nov.

Figs. 23–24

Material examined: Holotype ♀, Magadan Area, Tenkino distr., near Sibit-Tyellakh, 700 m, mountain tundra, *Pinus pumila* & lichenes, broken stone 26.7.–5.8.1979 (S. B., ZMMU Ta-4257).

Female. Carapace: length 1.38, width 1.08, ratio 1.28. Carapace and sternum brown. Leg coloration: femur I–IV brown, patella III–IV light brown, other articles straw-coloured. Leg dimensions:

	I	II	III	IV
Femur	1.05	1.00	0.83	1.13
Patella	0.50	0.45	0.43	0.58
Tibia	0.75	0.68	0.55	1.00
Metatarsus	0.65	0.60	0.60	0.95
Tarsus	0.58	0.53	0.48	0.70



Figs. 20–22. *Micaria tarabaevi* spec. nov., right palp of ♂. – 20) ventral view; 21) inner view; 22) lateral view. Scale = 0.03.

Figs. 23–24. *Micaria aborigenica* spec. nov., epigyne of ♀. – 23) external view; 24) inner view (vulva). Scale = 0.04.

Leg armature: femur I–IV dorsal 1, tibia III ventral 2.2.2, lateral 2, tibia IV ventral 2.2, lateral 2; metatarsus III–IV ventral 2.2.2, lateral 2.2, dorsal 2.

Abdomen: length 2.43, width 1.50, ratio 1.62. Abdomen grey, white bands of scales absent or inconspicuous.

Epigyne (Figs. 23–24).

Male unknown.

By the structure of the epigyne, *M. aborigenica* spec. nov. belongs to the *silesiaca*-group, but definitely this problem can be solved only upon a study of the male palpal structure.

N. I. Platnick (pers. communication) claims that this species is not met with in North America.

Derivatio nominis. The species is named after the biological station “Aborigen”, at which it was discovered.

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